



**恒通集团**

HENG TONG GROUP

河北恒通管件集团有限公司

Hebei Hengtong pipe fittings Group Co., Ltd

地址: 中国河北省沧州市盐山县 正港工业园区

电话: 0317-6331988 / 6330898

传真: 0317-6195661

网址: [www.hengtonggj.com](http://www.hengtonggj.com)

邮编: 061300

Add: Zhenggang Industrial Park, Yanshan County,

Cangzhou City, Hebei Province, China

Tel: +86 0317-6331988 +860317-6330898

Fax: +86 0317-6195661

Web: [www.hengtonggj.com](http://www.hengtonggj.com)

Post Code: 061300

河北恒通管件集团有限公司  
Hebei Hengtong pipe fittings Group Co., Ltd

恒通集团  
HENG TONG GROUP  
质量为本 市场领先  
QUALITY IS THE MARKET LEADER



目录  
contents

企业简介	Company profile
企业文化	Company culture
发展历程	Development path
公司资质	Company qualification
卓越团队	Excellent team
合作伙伴	Partner
产品应用	Applications
生产设备	Production equipment
检测中心	Testing Center
产品检测	Product testing
优质产品	Quality products
原材料	Raw material
售后服务	After sales service



## 公司简介

河北恒通管件集团是一家集研发、制造、销售于一体的金属管件制造企业。最初由创立于80年代的乡镇企业于1996年改制为河北省沧州恒通管件制造有限公司，并于2018年成立河北恒通管件集团。自改制以来，公司始终秉持专注进取精神，以创立百年恒通为目标，在成为国内行业领先的前提下，先后两次带队赴德国、意大利、奥地利等国外同行企业考察学习、交流技术和经验，探索生产过程的智能化以及管理软件的不创新，争取在公司成立五十周年之时，借国家一带一路的东风，把恒通打造成全球管件行业的领先者。

经过近30年的快速发展，凭借对金属材料特性及加工工艺特性的扎实技术经验基础，依托管件产品在各应用领域的升级发展需求，我们一直同步进行各领域尖端产品的科技创新，始终走在市场的前面。炼化领域，汽油、柴油、渣油、蜡油、加氢裂化装置用TP321、TP347、TP347H、镍基合金等特殊材质高压临氢管件，高硫油气净化项目用N08825系列镍基合金钢管件在大型炼化项目中广泛应用，替代了进口，填补了国内空白。石油天然气长输管线领域，我们在稳定掌握了X80钢级大口径厚壁管件与弯管产品制造工艺的基础上，率先研制成功-45℃低温工况裸管运行的X80钢级管件与弯管系列产品，同时对X100钢级管线配套产品也做好了及时的技术储备。在火力发电站锅炉及四大管道领域，对超超临界主蒸汽管路用P91、P92材质锻制三通、热压弯头及热弯管，已全面完成了国产化工艺研究与生产，并积极进行核电站用核1级不锈钢管件及控铬碳钢、合金钢管配件的研发。

在市场方面，我们以石油天然气领域为重点，并大力发展发电、煤化工等领域市场。在中石化的电子采购系统中业绩排名始终在前五名。在中石油，我们是炼化板块12家管件供应商之一，4家高压临氢管件供应商之一，管道天然气板块的弯管一类供应商。在中海油，我们是海工的唯一管件供应商。在国内五大电力集团和哈锅、上锅、东锅等电站建设知名企业，我公司是高压合金管件与工厂化预制的主要供应商和网络成员单位。在新建的煤化工建设用管件方面，我公司持有绝对高度的市场占有率。

在国际市场，我们和福陆、壳牌、巴斯夫等跨国公司保持密切联系。并与SEI、中国寰球、美盛沃利、CPECC等工程公司密切合作，在文莱、马来西亚、斯里兰卡等东南亚市场取得很好的口碑和业绩。

公司发展至今已拥有国际一流、配置完善、功能齐全的生产与检验设备设施。现有的两个生产厂区，按产品特性划分了功能明确的独立车间和原材料及成品库房：核电高压管件车间、不锈钢管件洁净车间、配管车间、热弯弯管车间、常规管件车间、热处理车间、管件防腐车间、酸洗钝化车间。主要生产设备有：10000吨万能液压机、10000吨三通挤压成型机、3000吨不锈钢弯头冷推成型机、DN1400中频加热推制弯头机、DN1500中频加热弯管机、16\*4.5米天然气热处理炉、6\*3.5米天然气热处理炉、6\*3.5米台车式电阻炉、DN2200管件埋弧自动焊机、DN2000立式车床，弯管管件液体环氧防腐、环氧粉末防腐生产线各两条，生产用纯净水处理装置两台，与配套的系列先进生产设备和高精度工装可满足全系列管件的生产需求。

根据产品质量检验和新材料产品研发的需要，公司配置了功能齐全设备先进的质量检测中心，其能力可以满足目前新材料、新工艺产品的化学成分、力学性能、金相组织、焊接性能、耐腐蚀性能及耐压性能等技术指标的检验。主要检测设备有：德国产斯派克全元素直读光谱仪、德国产日立多通道（Fe、Ni、Ti）全元素直读光谱仪、红外碳硫分析仪、可见分光光度计、1000KN电液伺服万能试验机、三思牌300KN电子高温拉伸试验机、摆锤式冲击试验机、-196℃冲击试验低温仪、微机分析高倍金相显微镜、水压试验机金属材料理化检测设备、射线探伤机、超声波探伤仪等无损检测设备，以及检测不锈钢管件抗蚀能力的试样高温敏化炉和晶间腐蚀、点腐蚀装置。所有检测设备和设施的先进程度和精准度均满足国家相关标准的要求。

公司是省级高新技术企业，河北省“巨人计划”创新创业团队，拥有一支技术精湛、志向远大的团队，先后通过了ISO9001、ISO14001、OHSAS18001、API Q1等管理体系认证。面对高速发展的管道装备制造行业，我们秉承专业、敬业、激情、创新的发展理念，坚持以客户为本、以信用为先的服务准则，以自身专业的技术优势，用心解决用户最迫切、最实际的需求，以优质的产品、先进的技术为用户提供完美的服务！





## COMPANY PROFILE

Hebei Hengtong pipe fittings group is a metal pipe fittings manufacturing enterprise integrating R & D, manufacturing and sales. Initially, the township enterprise founded in the 1980s was restructured into Hebei Cangzhou Hengtong pipe fittings manufacturing Co., Ltd. in 1996, and Hebei Hengtong pipe fittings group was established in 2018. Since the reform, the company has always adhered to the spirit of focus and enterprising, with the goal of establishing century Hengtong, and on the premise of becoming a domestic industry leader, has twice led teams to Germany, Italy, Austria and other foreign counterparts to study and exchange technology and experience, explore the intelligent production process and continuous innovation of management software, and strive for the 50th anniversary of the company. By connecting the whole country with the east wind, Hengtong will become the leader in the global pipe fitting industry.

After nearly 30 years of rapid development, relying on the solid technical experience foundation of metal material characteristics and processing process characteristics, and relying on the upgrading and development demand of pipe fitting products in various application fields, we have been carrying out the scientific and technological innovation of cutting-edge products in various fields simultaneously, and have always been ahead of the market. In the field of refining, TP321, TP347, TP347H, nickel base alloy and other special materials for gasoline, diesel, residual oil, wax oil, hydrocracking unit and n08825 series nickel base alloy steel pipe fittings for high sulfur oil and gas purification project are widely used in large-scale refining projects, replacing imports and filling domestic gaps. In the field of long-distance oil and natural gas transmission pipeline, based on the stable mastery of the manufacturing process of X80 steel large-diameter thick wall pipe fittings and elbows, we took the lead in the development of X80 steel pipe fittings and elbows series of products for bare pipe operation at - 45 °C low temperature, and also made timely technical reserves for X100 steel pipeline matching products. In the field of boiler and four major pipelines of thermal power plant, the domestic research and production of forged tee, hot pressed elbow and hot bend made of P91 and P92 materials for ultra supercritical main steam pipeline have been completed, and the research and development of grade 1 stainless steel pipe fittings and chromium controlled carbon steel and alloy steel pipe fittings for nuclear power plant have been actively carried out.

In terms of market, we focus on oil and gas, and vigorously develop markets in power generation, coal chemical industry and other fields. In Sinopec's e-procurement system, the performance ranking has always been in the top five. In PetroChina, we are one of the 12 pipe fittings suppliers in the refining and chemical sector, one of the four high-pressure hydrogen pipe fittings suppliers, and the first-class elbow supplier in the pipeline natural gas sector. In CNOOC, we are the only pipe fitting supplier of offshore engineering. Our company is the main supplier and network member unit of high-pressure alloy pipe fittings and factory prefabrication in five domestic power groups and well-known enterprises such as Harbin boiler, shangguo and Dongguo. In the new coal chemical construction pipe fittings, our company holds an absolute high market share.

In the international market, we keep close contact with multinational companies such as fluor, shell and BASF. In addition, we have worked closely with SEL China Huanqiu contracting & Engineering Co., Ltd., maxwell, CPECC and other engineering companies to achieve good reputation and performance in Southeast Asian markets such as Brunei, Malaysia, Sri Lanka, etc.

Up to now, the company has the first-class production and inspection equipment and facilities with perfect configuration and complete functions. The existing two production plants are divided into independent workshops with clear functions and raw material and finished product warehouses according to product characteristics: nuclear power high-pressure pipe fitting workshop, stainless steel pipe fitting cleaning workshop, piping workshop, hot bend workshop, conventional pipe fitting workshop, heat treatment workshop,

pipe fitting anti-corrosion workshop, pickling and passivation workshop. The main production equipment are: 10000 tons universal hydraulic press, 10000 tons tee extrusion molding machine, 3000 tons stainless steel elbow cold push molding machine, dn1400 medium frequency heating push bending machine, DN1500 medium frequency heating bending machine, 16 \* 4.5m natural gas heat treatment furnace, 6 \* 3.5m natural gas heat treatment furnace, 6 \* 3.5m trolley resistance furnace, dn2200 pipe submerged arc automatic welding machine, DN2000 vertical lathe, elbow pipe fittings. There are two production lines for liquid epoxy anti-corrosion and epoxy powder anti-corrosion, two pure water treatment units for production, and the supporting series of advanced production equipment and high-precision tooling can meet the production demand of the whole series of pipe fittings.

According to the requirements of product quality inspection and R & D of new material products, the company has set up a quality inspection center with complete functions and advanced equipment, whose capacity can meet the inspection of technical indexes such as chemical composition, mechanical properties, metallographic structure, welding performance, corrosion resistance and pressure resistance of current new materials and new process products. The main testing equipment include: speaker all element direct reading spectrometer made in Germany, Hitachi multi-channel (Fe, Ni, Ti) all element direct reading spectrometer made in Germany, infrared carbon sulfur analyzer, visible spectrophotometer, 1000KN electro-hydraulic servo universal testing machine, Sansi 300KN electronic high temperature tensile testing machine, pendulum impact testing machine, - 196 °C impact testing cryometer, microcomputer analysis high-power metallography Microscope, water pressure testing machine and other metal material physical and chemical testing equipment, ray flaw detector, ultrasonic flaw detector and other non-destructive testing equipment, as well as high temperature sensitizing furnace and intergranular corrosion and spot corrosion device for testing the corrosion resistance of stainless steel pipe fittings. The advanced degree and accuracy of all testing equipment and facilities meet the requirements of relevant national standards.

The company is a provincial-level high-tech enterprise, the innovation and entrepreneurship team of "giant plan" in Hebei Province, with a team of superb technology and ambition, and has successively passed ISO9001, ISO14001, OHSAS18001, API Q1 and other management system certification. In the face of high-speed development of pipeline equipment manufacturing industry, we adhere to the development concept of professionalism, dedication, passion and innovation, adhere to the customer-oriented, credit first service principle, with its own professional technical advantages, carefully solve the most urgent and practical needs of users, and provide perfect services for users with high-quality products and advanced technology!





# 企业文化

corporate culture

## 三立文化：

立德：社会公德、家庭美德、职业道德和个人品德

立公：树立社会责任感和集体荣誉感，工作中作到公平、公正、公开

立行：强化个人修养和形象，迅速反应，马上行动，提高执行能力。

**企业宗旨：**打造精品，做强企业，奉献社会

**企业精神：**团结协作，勤奋敬业，务实创新，优质高效

**激励机制：**各得其所，多劳多得

**发展理念：**不在守业中求生，要在扩业中图强

**管理理念：**严 细 实

**经营理念：**诚信为本，合作共赢

**产品理念：**质量为本，市场领先

**用人理念：**任人唯贤德在前，德才兼备绩优先

## Sanli Culture:

Leadership: social morality, family virtues, work ethics and personal character

Ligong: establish a sense of social responsibility and collective honor, and be fair, just and open in the work

Legislation: Strengthen personal cultivation and image, respond quickly, act immediately, and improve execution ability.

Corporate purpose: to build high-quality products, strengthen the company, and contribute to the society

Entrepreneurial spirit: solidarity and cooperation, hard work and dedication, pragmatic innovation, high quality and efficiency

Incentive mechanism: get what you want, get more work

Development concept: Don't survive in obedience, but strive for strength in expansion

Management philosophy: strict, detailed

Business philosophy: integrity-based, win-win cooperation

Product concept: quality-oriented, market-leading

Employing concept: let people have virtues first, virtue and talents first

## “7S” 现场管理制度

一、整理（SEIRI）：把要与不要的东西加以区分，工作场所中不要的东西一律不得放置。

二、整顿（SETTON）：把所需要的东西以最简洁的方式放好，即定位，使大家一目了然。

三、清扫（SEISO）：随时保持工作场所无脏污，并防止污染的发生，使缺点显现出来。

四、清洁（SEIKETSU）：将前3S做到制度化、规范化，并维持其成果。

五、素养（SHILSUKU）：人人依规定办事，养成良好习惯。

六、安全（SAFETY）：预防为主，加强安全防范，确保安全无事故。

七、节约（SAVE）：对时间、空间、能源等方面合理利用，以发挥它们的最大效能，从而创造一个高效率、物尽其用的工作场所。

## “7S” Site Management System

One. Sorting out (SEIRI): Distinguish between what is unnecessary and what is unnecessary in the workplace.

Second, rectification (SETTON): Put the things you need in the most concise way, that is, positioning, so that everyone can see at a glance.

Third, cleaning (SEISO): keep the workplace free of dirt at all times, and prevent the occurrence of pollution, so that shortcomings become apparent.

Fourth, clean (SEIKETSU): institutionalize and standardize the first 3S, and maintain its results.

Fifth. Literacy (SHILSUKU): Everyone acts according to regulations and develops good habits.

Sixth, safety (SAFETY): prevention first, strengthen safety precautions, and ensure safety without accidents.

Seventh, saving (SAVE): the reasonable use of time, space, energy and other aspects to maximize their effectiveness, so as to create a highly efficient, productive work place.





## 发展历程 DEVELOPMENT HISTORY

展望未来，恒通人满怀信心，  
充满希望，鼓足干劲，脚踏实地，力争再上一个新台阶！

LOOKING FORWARD TO THE FUTURE, HENG TONG PEOPLE ARE FULL OF CONFIDENCE.

FULL OF HOPE, FULL OF ENERGY, DOWN-TO-EARTH, AND STRIVE TO A NEW LEVEL!

2002年

与中石油西气东输管道工程、中石化海南炼油工程合作，取得APIQ1质量体系认证  
COOPERATION WITH PETROCHINA WEST-EAST GAS PIPELINE PROJECT AND SINOPEC  
HAINAN REFINING PROJECT, APIQ1 QUALITY SYSTEM CERTIFICATION,

2007年

与中石化川气东送管道工程项目、  
中石化青岛大炼油工程、中石化茂名分公司、  
中石化巴陵分公司、中石化九江分公司等项目合作  
IN 2007,  
COOPERATED WITH SINOPEC SICHUAN GAS EAST PIPELINE PROJECT,  
SINOPEC QINGDAO LARGE REFINING PROJECT, SINOPEC MAOMING  
BRANCH, SINOPEC BALING BRANCH, SINOPEC JIUJIANG BRANCH, ETC.

1996年

改制股份制企业，更名：河北省沧州恒通管件制造有限公司。  
与中石化、中石油、中海油合作，取得ISO9000质量体系认证。  
1996  
RESTRUCTURED JOINT-STOCK ENTERPRISE, RENAMED: HEBEI YINZHOU  
HENG TONG PIPE FITTING MANUFACTURING CO., LTD.  
COOPERATION WITH SINOPEC, PETROCHINA AND CNOOC.  
OBTAINED ISO9000 QUALITY SYSTEM CERTIFICATION.

1980年

公司成立，为集体所有制企业，员工50人  
FOUNDED AS A COLLECTIVE OWNED ENTERPRISE  
WITH 50 EMPLOYEES IN 1980

2009年

与中石油西气东输二线工程、中石化中原油田普光分公司、天津渤海化工天津碱厂项目合作  
COOPERATE WITH PETROCHINA WEST-EAST GAS PIPELINE SECOND LINE PROJECT,  
SINOPEC ZHONGYUAN OILFIELD PUGUANG BRANCH, TIANJIN BOHAI CHEMICAL  
TIANJIN SODA PLANT PROJECT

2012年

与中石油中贵线、中缅线、泰沈线、陕京三线天然气管道工程；中  
化泉州炼化一体化项目、中石化洛阳工程公司呼和浩特500万吨/年  
炼油项目合作  
YEARS WITH CHINA NATIONAL PETROLEUM CORPORATION,  
CHINA-MYANMAR LINE, QIN-JIN LINE, SHAANXI-BEIJING  
THIRD-LINE GAS PIPELINE PROJECT; SINOCHEN QUANZHOU  
REFINING AND CHEMICAL INTEGRATION PROJECT, SINOPEC  
LUOYANG ENGINEERING COMPANY HOHHOT 5 MILLION  
TONS / YEAR REFINERY PROJECT COOPERATION

2013年

公司新建厂区145000㎡，专业生产高压临氢、不锈钢  
管件，与中石油西气东输三线、中宣（哈）天然气管  
道C线、求-大天然气管道、大-沈天然气管道项目，中  
石油寰球工程公司云南石化1000万吨/年炼油项目合作  
THE COMPANY'S NEW FACTORY AREA IS  
145,000M2, SPECIALIZING IN THE PRODUCTION  
OF HIGH-PRESSURE HYDROGEN AND STAINLESS  
STEEL PIPE FITTINGS, WITH CHINA PETROLEUM  
WEST-EAST GAS PIPELINE THIRD LINE, CENTRAL  
ASIA (HA) NATURAL GAS PIPELINE C LINE,  
QIU-DA NATURAL GAS PIPELINE, DA-SHEN  
NATURAL GAS PIPELINE PROJECT, CNPC RYUKYU  
ENGINEERING COMPANY YUNNAN  
PETROCHEMICAL 10 MILLION TONS / YEAR  
REFINERY PROJECT COOPERATION

2018年

公司实现跨越式发展，增资1.2亿元，职工426  
人，更名河北恒通管件集团有限公司，成功与国内  
外重点项目合作：中-俄东线天然气管道工程、  
陕京四线天然气管道工程、新浙粤煤制天然  
气管道工程，中石化华北石化千万吨炼油、浙江石  
化4000吨/年炼油项目、恒逸-文莱化工等项目  
合作  
THE COMPANY ACHIEVED  
LEAP-FORWARD DEVELOPMENT,  
INCREASED CAPITAL OF 120 MILLION  
YUAN, AND 426 EMPLOYEES, RENAMED  
HEBEI HENG TONG PIPE FITTINGS GROUP  
CO., LTD., SUCCESSFULLY COOPERATED  
WITH KEY PROJECTS AT HOME AND  
ABROAD: CHINA-RUSSIA EAST LINE  
NATURAL GAS PIPELINE PROJECT,  
SHAANXI-BEIJING FOUR-LINE GAS  
PIPELINE PROJECT, NEW ZHEJIANG  
GUANGDONG COAL-TO-GAS PIPELINE  
PROJECT, SINOPEC HUABEI  
PETROCHEMICAL 10 MILLION TONS OF  
REFINING, ZHEJIANG PETROCHEMICAL  
4000 TONS / YEAR REFINERY PROJECT,  
HENGYI - BRUNEI CHEMICAL AND OTHER  
PROJECTS COOPERATION

回顾企业发展24年来的辉煌历程及持续发展  
企业对国家级特大项目的持续跟进与合作成为恒通集团飞速发展的基石

REVIEW THE BRILLIANT COURSE AND SUSTAINABLE DEVELOPMENT OF THE ENTERPRISE IN THE PAST 24 YEARS

THE CONTINUOUS FOLLOW-UP AND COOPERATION OF ENTERPRISES TO NATIONAL MEGA PROJECTS HAS BECOME THE CORNERSTONE OF HENG TONG GROUP'S RAPID DEVELOPMENT



# 公司资质

Company qualification









## 卓越团队 EXCELLENT TEAM

### 公司理念

坚持科学管理，创新管理，健全企业管理制度，优化完善企业管理机制，坚持诚信经营，树立正确的经营理念，随着商场变化，审时度势，适时调整经营策略，使企业经营效益逐年成倍增长。公司坚持科技创新，企业持续研究开发。以人为本，以德为魂，为客户提供完美的产品及服务。

Adhere to scientific management, innovative management, improve enterprise management system, optimize and improve enterprise management mechanism, and adhere to Operate with integrity, establish correct business philosophy, adjust business strategy in due time with the change of shopping malls.  
The operating efficiency of the enterprise will be multiplied year by year. The company adheres to scientific and technological innovation, and the enterprise continues to research and develop.  
People oriented, morality as the soul, to provide customers with perfect products and services.





卓越团队  
EXCELLENT TEAM



专业进取  
尊爱至诚  
锲而不舍  
坚持诚信  
注重业绩  
爱岗敬业  
诚实守信  
无私奉献

PROFESSIONAL ENTERPRISING  
RESPECT LOVE SINCERELY  
KEEP ON CARVING  
STICK TO INTEGRITY  
FOCUS ON PERFORMANCE  
LOVE AND RESPECT  
HONESTY AND TRUSTWORTHINESS  
SELFLESS DEDICATION



艰苦坚实  
诚信承诺  
实干实效

HARD AND SOLID  
INTEGRITY COMMITMENT  
PRACTICAL RESULTS





合作伙伴  
PARTNER





## 合作伙伴 PARTNER

### 中石油 Petro China

- 01) 中国石油天然气股份有限公司大庆石化分公司  
China National Petroleum Corporation Daqing Petrochemical Company
- 02) 中国石油天然气股份有限公司大庆炼化分公司  
China National Petroleum Corporation Daqing Refining & Chemical Company
- 03) 中国石油天然气股份有限公司吉林石化分公司  
China National Petroleum Corporation Jilin Petrochemical Company
- 04) 中国石油天然气股份有限公司华北石化分公司  
China National Petroleum Corporation Huabei Petrochemical Company
- 05) 中国石油天然气股份有限公司大港石化分公司  
China National Petroleum Corporation Dagang Petrochemical Company
- 06) 中国石油天然气股份有限公司大连石化分公司  
China National Petroleum Corporation Dalian Petrochemical Company
- 07) 中国石油天然气股份有限公司锦西石化分公司  
China National Petroleum Corporation Jinxi Petrochemical Company
- 08) 中国石油天然气股份有限公司长庆石化分公司  
China National Petroleum Corporation Changqing Petrochemical Company
- 09) 中国石油天然气股份有限公司云南石化分公司等31家炼化单位、24家油气田单位和6家工程建设单位长期合作  
China Petroleum and Natural Gas Co., Ltd. Yunnan Petrochemical Company and other 31 refining and chemical units, 24 oil and gas field units and 6 engineering construction units have long-term cooperation.





## 合作伙伴 PARTNER

### 中石化 Sinopec

- 01) 中石化北京燕山石化分公司  
Sinopec Beijing Yanshan Petrochemical Company
- 02) 中石化齐鲁石化分公司  
Sinopec Qilu Petrochemical Company
- 03) 中石化巴陵分公司  
Sinopec Baling Branch
- 04) 中石化茂名分公司  
Sinopec Maoming Branch
- 05) 中石化天津分公司  
Sinopec Tianjin Branch
- 06) 中石化洛阳分公司  
Sinopec Luoyang Branch
- 07) 中石化广州分公司  
Sinopec Guangzhou Branch
- 08) 中石化北海分公司等38家炼化单位、16家油气田单位和8家设计施工单位长期合作  
Sinopec Beihai Branch and other 38 refining and chemical units, 16 oil and gas field units and 8 design and construction units have long-term cooperation





## 合作伙伴 PARTNER

### 中海油 CNOOC

- 01) 中海石油炼化有限责任公司惠州炼油公司  
China National Petroleum Refining & Chemical Co., Ltd. Huizhou Refinery Company
- 02) 中海壳牌石油CSPC项目  
China Shipping Shell Oil CSPC Project
- 03) 中海石油中捷石化有限公司  
CNOOC Zhongjie Petrochemical Co., Ltd.
- 04) 中海石油华鹤煤化有限公司  
CNOOC Huahe Coal Chemical Co., Ltd.
- 05) 中海油气(泰州)石化有限公司  
Zhonghai Oil and Gas (Taizhou) Petrochemical Co., Ltd.
- 06) 中海石油宁波大榭石化有限公司  
CNOOC Ningbo Ningbo Dasheng Petrochemical Co., Ltd.
- 07) 中海油东方石化有限责任公司  
CNOOC Eastern Petrochemical Co., Ltd.





- 01) 西气东输二线工程  
Second West-East Gas Pipeline Project
- 02) 西气东输三线工程  
West-East Gas Pipeline Third Line Project
- 03) 陕京三线天然气管道工程  
Shaanxi-Beijing third-line natural gas pipeline project
- 04) 中缅油气管道工程  
China-Myanmar oil and gas pipeline project
- 05) 中卫-贵阳联络线管道工程  
Zhongwei-Guiyang Linkage Pipeline Project
- 06) 陕京四线天然气管道工程  
Shaanxi-Beijing four-line natural gas pipeline project
- 07) 中俄东线天然气管道工程  
Sino-Russian Eastern Gas Pipeline Project
- 08) 川气东送管道工程  
Sichuan Gas East Pipeline Project
- 09) 新浙粤煤制天然气管道工程  
New Zhejiang-Jiangxi Coal-to-Gas Pipeline Project





## 产品应用 APPLICATIONS

### 化工项目 chemical project

- 01) 中科合资广东炼化一体化项目  
Sino-Korean Joint Venture Guangdong Refining and Chemical Integration Project
- 02) 浙江石化4000吨/年炼化一体化项目  
Zhejiang Petrochemical 4000 tons / year refining and chemical integration project
- 03) 中化泉州炼化一体化项目 (一期、二期)  
Sinochem Quanzhou Refining and Chemical Integration Project (Phase I and Phase II)
- 04) 古雷石化炼化一体化项目  
Gulei Petrochemical Refining and Chemical Integration Project
- 05) 恒逸石化文莱炼化项目  
Hengyi Petrochemical Brunei Refinery Project
- 06) 天津渤海化工有限责任公司天津碱厂项目  
Tianjin Bohai Chemical Co., Ltd. Tianjin Soda Plant Project
- 07) 海南逸盛石化有限公司210万吨精对苯二甲酸 (PTA) 项目  
Hainan Yisheng Petrochemical Co., Ltd. 2.1 million tons of refined terephthalic acid (PTA) project
- 08) 山西沃能化工科技有限公司综合尾气制30万吨/年乙二醇联产LNG项目  
Shanxi Woneng Chemical Technology Co., Ltd. comprehensive tail gas system 300,000 tons / year ethylene glycol co-production LNG project



### 煤化工项目 Coal chemical project

- 01) 中安联合煤化有限责任公司煤制甲醇、转化烯烃、线性低密度聚乙烯项目  
China National Petroleum Corporation Jilin Petrochemical Company
- 02) 中天合创鄂尔多斯煤炭深加工示范项目  
Hainan Yisheng Petrochemical Co., Ltd. 2.1 million tons of refined terephthalic acid (PTA) project
- 03) 神华宁夏煤液化项目  
Shanxi Woneng Chemical Technology Co., Ltd. comprehensive tail gas system 300,000 tons / year ethylene glycol co-production LNG project
- 04) 中国神华煤制油化工有限公司包头煤气化项目  
Zhongke Synthetic Oil Engineering Co., Ltd. Zhongke Synthetic Oil Fischer-Tropsch Oil Fluidization Pyrolysis and Cracking Pilot Project
- 05) 内蒙古伊泰化工有限责任公司120万吨/年精细化学示范项目  
Zhejiang Petrochemical 4000 tons / year refinery project
- 06) 内蒙古庆华集团腾格里精细化工有限公司几内酸项目  
Inner Mongolia Qinghua Group Tengge Fine Chemical Co., Ltd.





## 产品应用

COOPERATION PROJECT

### 电厂项目 power plant project

- 01) 中国电力建设工程咨询公司合肥电厂6#机组(1\*600MW)扩建工程  
China Power Construction Engineering Consulting Co., Ltd. Hefei Power Plant 6# unit (1\*600MW) extension project
- 02) 内蒙古锡林发电小责任公司2\*300MW机组建设工程  
Inner Mongolia Xilin Power Generation Small Responsibility Company 2\*300MW Unit Construction Project
- 03) 浙江长兴电厂二期2\*300MW机组四大管道工程  
Zhejiang Changxing Power Plant Phase II 2\*300MW Unit Four Pipeline Project
- 04) 内蒙古兴安电厂2\*330MW机组四大管道工厂化配置工程  
Inner Mongolia Xing'an Power Plant 2\*330MW Unit Four Pipeline Factory Configuration Project
- 05) 大唐辽源热电厂2\*330MW机组四大管道管件、工程配置工程  
Four major pipeline fittings and engineering configuration engineering of 2\*330MW unit of Datang Liaoyuan Thermal Power Plant
- 06) 钦州电厂一期工程2\*600MW机组工程  
Qinzhou Power Plant Phase I Project 2\*600MW Unit Project
- 07) 河北省电力建设第一工程公司怀安电厂2\*600MW机组工程  
2\*600MW unit project of Huai'an Power Plant, the first engineering company of Hebei Electric Power Construction
- 08) 河北省电力建设第一工程公司黄骅2\*600MW机组工程  
Hebei Electric Power Construction First Engineering Company Huangqi 2\*600MW Unit Project
- 09) 中国核工业第五建设有限公司福清核电工程  
China Nuclear Industry Fifth Construction Co., Ltd. Fuqing Nuclear Power Project
- 10) 辽河红沿河核电厂一、二、三、四号机组BOP安装工程等五大发电公司旗下多家电厂合作  
Cooperation with several power plants of the five major power generation companies, such as the BOP installation project of the first, second, third and fourth units of the Liaohongyanhe Nuclear Power Plant





## 产品应用

COOPERATION PROJECT

### 中化建项目 sinochem

与中国天辰工程有限公司、华陆工程科技有限责任公司、东华工程科技股份有限公司、赛鼎工程有限公司、中国五环工程有限公司、中国成达工程有限公司6家设计单位；与中化二建、中化三化建、中化六建等12家施工单位长期合作

And China Tianchen Engineering Co., Ltd., Hualu Engineering Technology Co., Ltd., Donghua Engineering Technology Co., Ltd., Saiping Engineering Co., Ltd., China Wuhuan Engineering Co., Ltd., China Chengda Engineering Co., Ltd. 6 design units; and Sinochem Long-term cooperation between 12 construction units including Erjian, Sinochem Sanhua Construction and Sinochem Liujian

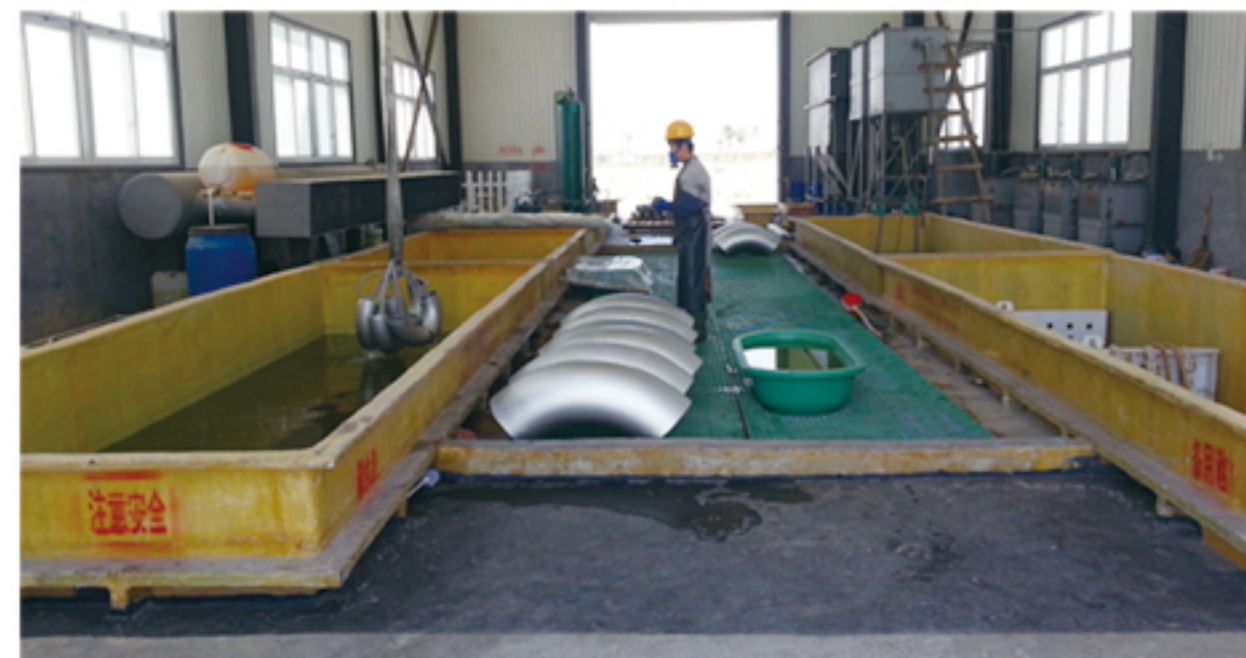




生产设备  
PRODUCTION EQUIPMENT



高压临氢管件专用压力机  
Dedicated press for high-pressure hydrogen fittings



不锈钢酸洗车间  
Stainless steel pickling workshop



自动化热处理炉  
Automatic heat treatment furnace



# 生产设备

PRODUCTION EQUIPMENT



三通坡口机  
Tee beveling machine



弯头坡口机  
Elbow beveling machine



大口径立式喷砂机  
Large diameter vertical sand blasting machine



大口径卧式喷砂机  
Large diameter horizontal sand blasting machine



双环氧防腐设备  
Double epoxy anti-corrosion equipment





不锈钢弯头冷挤压成型机  
Stainless steel elbow cold extrusion molding machine



不锈钢三通冷挤压成型机  
Stainless steel tee cold extrusion molding machine



全自动卷板机  
Fully automatic rolling machine



数控锯床  
CNC sawing machine





冷挤压三通成型机  
Cold extrusion tee forming machine



大口径弯头中频推制机  
Large caliber elbow intermediate frequency push machine



大口径弯管数控液压推制机  
Large Caliber Bend CNC Hydraulic Pushing Machine



1200T冷推弯头机  
1200T cold push elbow machine



## 检测中心 Testing Center

对产品质量来说，不是100分就是0分，我公司配有先进设备的检测中心，检测人员苛刻的要求，严肃的态度为每一件产品的质量画上完美的句号。

The quality of products, the 100 is not 0, the company is equipped with advanced equipment testing center, testing personnel demanding, serious attitude to the quality of every product draw a perfect full stop.



精准 (HB) 布氏硬度试验  
Precision (HB) Brinell hardness test



722型分光光度化学元素测量  
Measurement of chemical elements  
in 722 type spectrophotometer



高精度高频红外碳硫元素检测  
High precision and high frequency  
infrared detection of carbon and sulfur elements



0.5级微机控制电液高温拉伸试验  
High temperature tensile test of  
0.5 grade micro control electric drawing



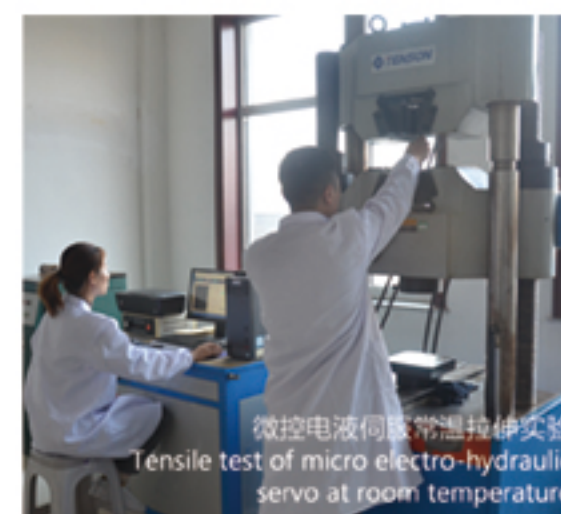
微机自动维氏 (HV) 硬度试验  
Micro controlled automatic  
Vickers (HV) hardness test

检测标准能遵守  
质量效率不用愁  
严谨思考, 严格操作  
严格检查, 严肃验证

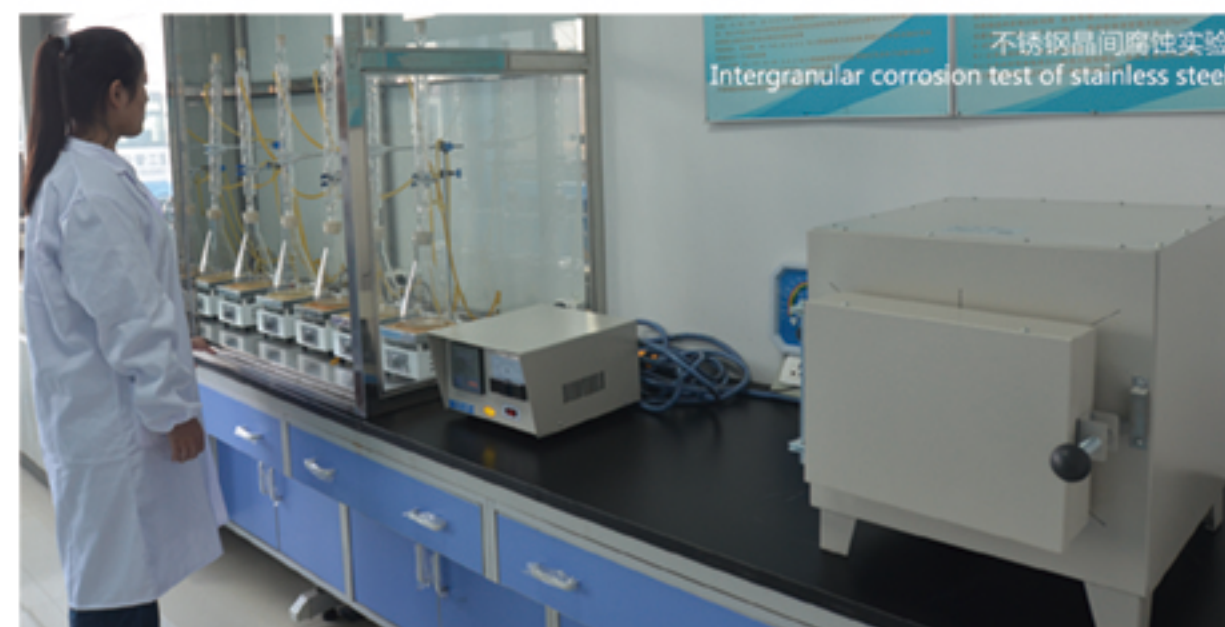
The test standard can be complied with  
Don't worry about quality and efficiency  
Rigorous thinking and operation  
Strict inspection and verification

工作人员通过各种检验设备，确保每一份产品的质量与安全

The staff shall ensure the quality and safety of each product through various inspection equipment.



微机电液伺服常温拉伸试验  
Tensile test of micro electro-hydraulic  
servo at room temperature



不锈钢晶间腐蚀试验  
Intergranular corrosion test of stainless steel



产品检测  
PRODUCT TESTING



显微组织检测  
Microstructure inspection



(日立) 全元素直读光谱检测  
(Hitachi) all element direct reading spectrum detection

质量是成功的伙伴，检验是质量的保障；品质检验严格做，优良品质有把握

Quality is the partner of success, inspection is the guarantee of quality; quality inspection should be done strictly, and good quality should be assured

想要产品零缺点，做好检验不可免；不严格把关，难出优质产品

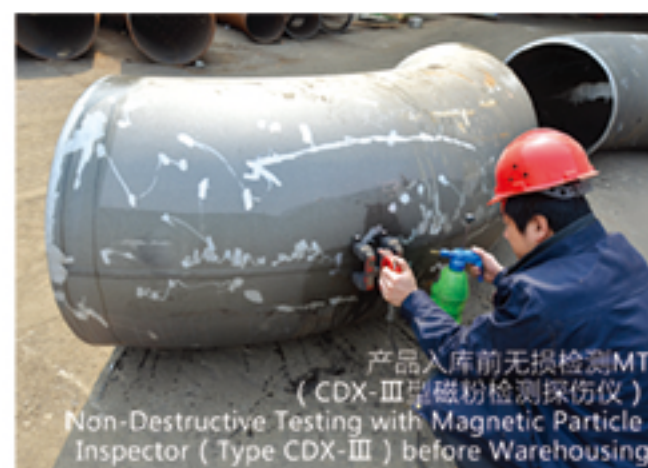
If you want products with zero defects, it is inevitable to do a good job in inspection; if you do not strictly check, it is difficult to produce high-quality products



Jbn500j 夏比冲击试验  
Jbn500j Charpy impact test



(HL) 里氏硬度检测  
(HL) Leeb hardness test



产品入库前无损检测MT  
(CDX-III 磁粉检测探伤仪)  
Non-Destructive Testing with Magnetic Particle Inspector (Type CDX-III) before Warehousing



成品无损检测UT (数字式超声波探伤仪)  
Non-Destructive Testing With Digital Ultra-sonic Defect Detector



(UT) 超声波无损检测  
(UT) Ultrasonic Nondestructive Testing



管件型式试验  
TYPE TEST OF PIPE FITTINGS



爆破试验件  
Bursting test piece





优质产品  
QUALITY PRODUCTS

## 高压临氢管件

High-pressure hydrogen fittings



## 高压临氢管件

High-pressure hydrogen fittings

高压临氢管件是石化加氢装置中重要组成部件，是充分了解和认识此类装置原材料特性和高温、高压生产环境下具有氢脆性和晶间腐蚀的特点和严重性后果，通过科学方法，针对性生产的重要部件。

High-pressure hydrogen fittings are important components of petrochemical hydrogenation equipment. They are to fully understand and understand the characteristics of raw materials and the characteristics and serious consequences of hydrogen embrittlement and intergranular corrosion in high-temperature and high-pressure production environments. Through scientific methods, important component of sexual production.



优质产品  
QUALITY PRODUCTS

# 高压临氢管件

High-pressure hydrogen fittings

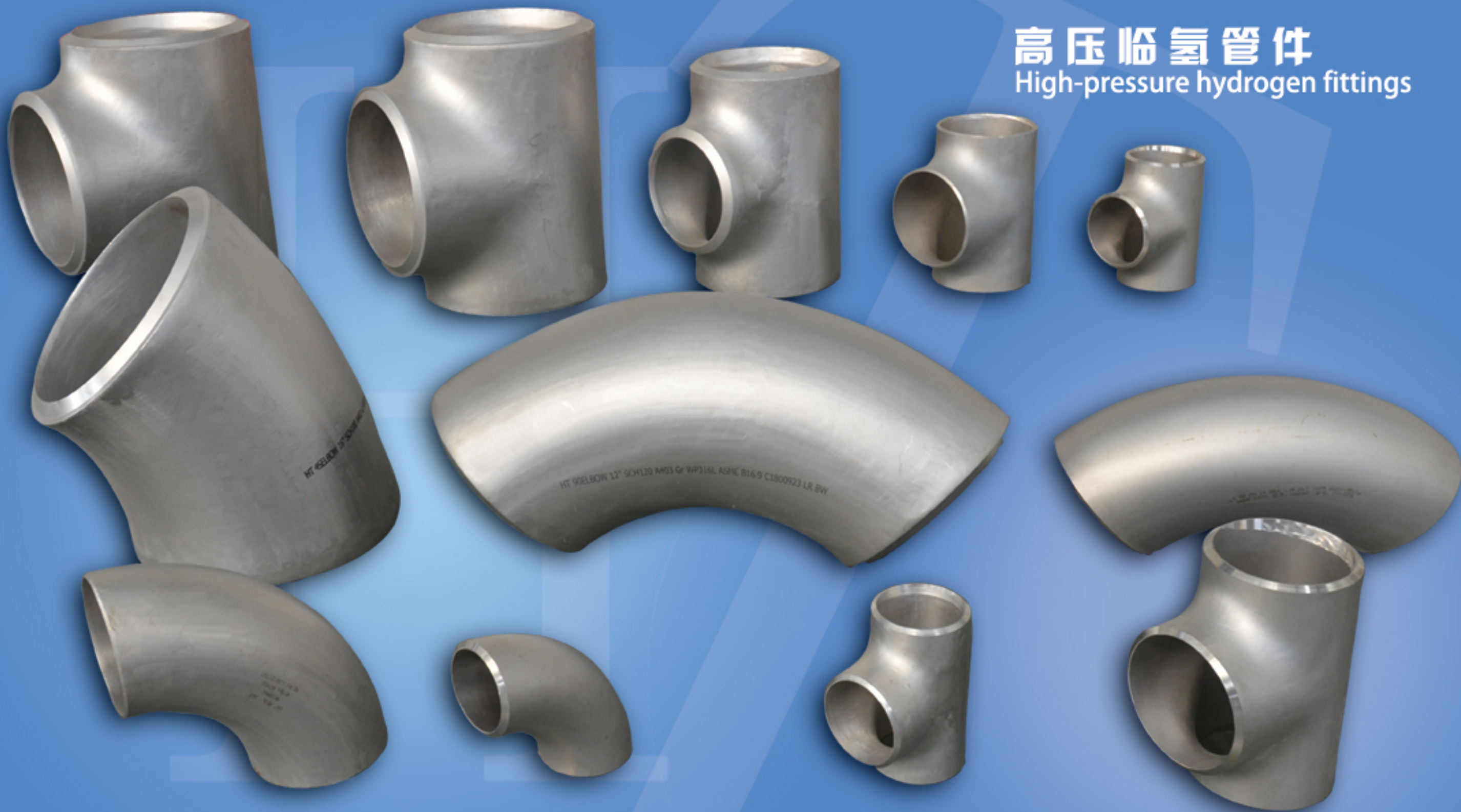




优质产品  
QUALITY PRODUCTS

## 高压临氢管件

High-pressure hydrogen fittings





## 优质产品 QUALITY PRODUCTS

### ◆ 高压管件



高压管件顾名思义是耐压能力比较高的管件。我国的化工标准把承受压力 $\geq 16\text{MPa}$ 的管道称为高压管道。高压管件用于特定的环境下如高压蒸汽设备，化工高温高压管道，电厂和核电站的压力容器，高压锅炉配件等。

种类划分：1、高压弯头2、高压三通3、高压法兰4、高压异径管5、高压管帽、6、高压盲板7、高压封头8高压管古

连接划分：焊接连接、丝扣连接、螺栓连接

材质划分：20G、20MnG、25MnG、15MoG、20MoG、12CrMoG、15CrMoG、12Cr2MoG 12CrMoVG、12Cr3MoVSiTb 1Cr18Ni9、0Cr18Ni9、1Cr18Ni11Nb等

As the name implies, high-pressure pipe fittings have high pressure resistance. In China's chemical industry standard, the pipeline with pressure  $\geq 16\text{MPa}$  is called high pressure pipeline. High pressure pipe fittings are used in specific environment such as high pressure steam equipment, chemical high temperature and high pressure pipes, pressure vessels of power plants and nuclear power plants, high pressure boiler accessories, etc.

Classification: 1. High pressure elbow 2. High pressure tee 3. High pressure flange 4. High pressure reducer 5. High pressure pipe cap 6. High pressure blind plate 7. High pressure head 8. High pressure pipe ancient  
Connection Division: welding connection, screw connection and bolt connection

Material division: 20g, 20mng, 25mng, 15mog, 20mog, 12crmog, 15CrMoG, 12CR2MOG 12crmog, 12Cr3MoVSiTb 1Cr18Ni9, 0Cr18Ni9, 1cr18ni11nb, etc.

高压三通采用专业锻打，焊接等工艺制作。采用高精度数控车床车削，普通车床精车，氩弧焊等加工。制作标准为国标、美标、化标、机标、电标、船标。高压三通锻打精良，表面光滑，耐酸耐碱耐高温，价格计算合理，外形美观，质感性能强。广泛用于水利电力，食品，消防系统、航天，啤酒乳业等加工生产。

High pressure tee adopts professional forging, welding and other processes. High precision CNC lathe turning, general lathe finishing, argon arc welding and other processing. The production standards are national standard, American Standard, chemical standard, mechanical standard, electrical standard and ship standard.

The high-pressure tee has excellent forging, smooth surface, acid and alkali resistance, high temperature resistance, reasonable price calculation, beautiful appearance and strong texture performance. It is widely used in water conservancy and power, food, fire control system, aerospace, beer and dairy industry.





优质产品  
QUALITY PRODUCTS

◆ 弯头



不锈钢管件属于管件的一种，它包含：不锈钢弯头，不锈钢三通，不锈钢四通，不锈钢异径管，不锈钢管帽等，根据联接方法可分为承插式不锈钢管件、螺纹不锈钢管件。法兰不锈钢管件和焊接不锈钢管件四类。不锈钢弯头用于管件转弯的地方；法兰用于使管子与管子相互连接的零件，连接于管端，不锈钢三通管用于三根管子汇集的地方；不锈钢四通管用于四根管子汇集的地方；

不锈钢异径管用于不同管径的两根管子相联接的地方。

Stainless steel tube is a kind of pipe fittings which is so called stainless steel pipe fittings made of stainless steel material, comprising: a stainless steel elbow, stainless steel tee, stainless steel reducer pipe, stainless steel caps, according to the coupling method divided socket tube of stainless steel, stainless steel threaded pipe fittings, flanges and welded stainless steel tube stainless steel pipe fittings four categories.

Stainless steel pipe fittings elbow to turn the place; for causing the tube and pipe flange interconnected parts, connected to the pipe

end, stainless steel tee for three pipes pooling place; stainless steel tube for four-way pipe pooled place; two pipes stainless steel diameter pipe for different diameter coupled place.

四大管道指：主蒸汽管道、再热热段蒸汽管道、再热冷段蒸汽管道及主给水管道。

Plant four pipe means: the main steam pipe steam pipe segment, and then hot reheat cold section and the main steam pipe water supply pipe.

1. 主蒸汽管道(过热器出口联箱到高压主汽接口之间的两条高温高压蒸汽管道)：

The main steam pipe (superheater outlet headers to two high-pressure main steam valve high temperature and pressure steam pipe interface between)

2. 热再热蒸汽管道(再热器出口联箱到中压主汽[ ]接口的两条高温高压蒸汽管道)：

Hot reheat steam pipe (reheater outlet headers to two high temperature and pressure steam pipe Pressure Main Steam Valve Interface)

3. 冷再热蒸汽管道(高压缸排汽口到再热器入口联箱接口之间的两条高温高压蒸汽管道)：

Cold reheat steam pipe (high-pressure cylinder exhaust port to two high temperature and pressure steam pipe reheater inlet header between interfaces)

4. 高压给水管道(电动给水泵出口到省煤器入口联箱接口之间的高压锅炉供水管道)。

High-pressure water pipes (electric fed pump high-pressure boiler economizer outlet to the inlet header of the interface between the water supply pipe)





## ◆ 三通



不锈钢三通是用于管道分支处的一种管件。对于采用无缝管制三通来讲，目前通常所采用的工艺有液压胀形和热压成形两种。

不锈钢三通的液压胀形是通过金属材料的轴向补偿胀出支管的一种成形工艺。其过程是采用专用液压机，将与三通直径相等的管坯内注入液体，通过液压机的两个水平侧缸同步对中运动挤压管坯，管坯受挤压后体积变小，管坯内的液体随管坯体积变小而压力升高，当达到不锈钢三通支管胀出所需要的压力时，金属材料在侧缸和管坯内液体压力的双重作用下沿模具内腔流动而胀出支管。

不锈钢三通的液压胀形工艺可一次成形，生产效率较高；不锈钢三通的主管及肩部壁厚均有增加。因不锈钢三通的液压胀形工艺所需的设备吨位较大，目前国内主要用于小于DN600的标准壁厚不锈钢三通的制造。其适用的成形材料为冷作硬化倾向相对较低的低碳钢、低合金钢、不锈钢，包括一些有色金属材料，如铜、铝、钛等。

Stainless steel tee is a kind of pipe fitting used in the branch of pipeline. At present, there are two kinds of technology commonly used in the manufacture of tee with seamless pipe, i.e. hydraulic bulging and hot pressing.

The hydraulic bulging of stainless steel tee is a forming process of expanding branch pipe by axial compensation of metal material. The process is to use a special hydraulic press to inject liquid into the tube blank with the same diameter as the tee, and extrude the tube blank through two horizontal side cylinders of the hydraulic press synchronously, the volume of the tube blank becomes smaller after extrusion, and the pressure of the liquid in the tube blank increases with the volume of the tube blank becoming smaller. When the pressure required by the expansion of the stainless steel tee branch pipe is reached, the liquid pressure of the metal material in the side cylinder and the tube blank is Under the double action of the force, the branch pipe flows along the inner cavity of the die and expands.

双金属复合三通、四通以碳素钢或合金钢为基层，在其内表面覆衬一定厚度(一般为2-3mm)的不锈钢、钛合金、铜、铝等耐蚀合金制造的复合三通，这种特殊的结构形式，使其兼顾碳钢的耐压性和不锈钢的耐蚀性以及相对不锈钢低廉的特点，其突出的性价比和耐蚀性能，使它在石油及天然气工业、供水工程、化学工业等行业具有广泛的应用前景。

Bimetallic composite tee and cross are made of carbon steel or alloy steel as the base layer and lined with stainless steel, titanium alloy, copper, aluminum and other corrosion-resistant composite metals with a certain thickness (generally 2-3mm) on the inner surface. This special structural form makes it take into account the pressure resistance of carbon steel and the corrosion resistance of stainless steel as well as the relatively low characteristics of stainless steel, with outstanding cost performance and corrosion resistance. It can be widely used in oil and gas industry, water supply engineering, chemical industry and other industries.





## 优质产品 QUALITY PRODUCTS

### ◆ 法兰



法兰是管子与管子之间相互连接的零件，用于管端之间的连接;也有用在设备进出口上的法兰，用于两个设备之间的连接，如减速机法兰。法兰连接或法兰接头，是指由法兰，垫片及螺栓三者相互连接作为一组组合密封结构的可拆连接。

Flanges are interconnected between the tube and pipe parts, the connection between the pipe end for; is also useful in equipment import and export on the flange for connection between two devices, such as reducer flange. Flange connection or flange joints, is defined by flanges, gaskets and bolts of the three interconnected as a detachable connection seal structure combinations.

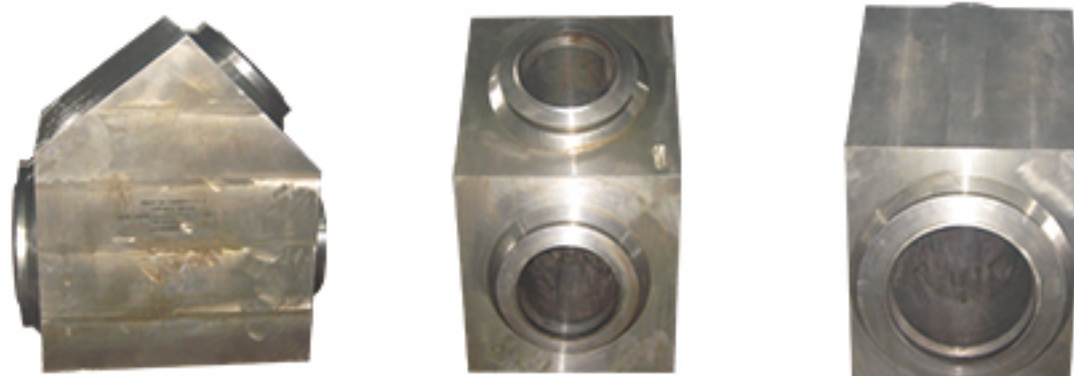
### ◆ 不锈钢组件

三通 管帽 偏心大小头  
TEE CAP ECCENTRIC REDUCER

不锈钢是不锈钢耐酸钢的简称，耐空气、蒸汽、水等弱腐蚀介质或具有不锈性的钢种称为不锈钢。STAINLESS STEEL IS THE ABBREVIATION OF STAINLESS AND ACID RESISTANT STEEL, WHICH IS CALLED STAINLESS STEEL FOR ITS RESISTANCE TO AIR, STEAM, WATER AND OTHER WEAK CORROSIVE MEDIA OR STAINLESS STEEL.



### 其他管件 ◆







公司产品先后获得了X80埋弧自动焊热压厚壁三通科技成果证书、X80埋弧自动焊热压厚壁三通专利证书、X100钢级钢板热压弯头专利证书、中频感应加热煨制X100钢级大口径弯管专利证书。

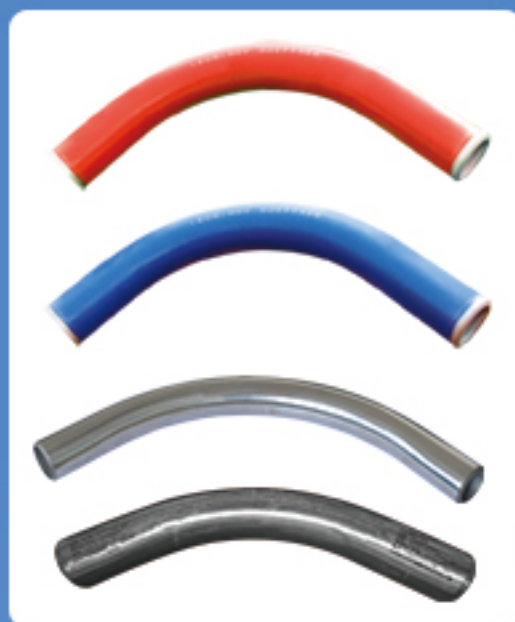
Company product successively won the X80 submerged arc automatic welding thermal thick wall tee certificate of scientific and technological achievements, X80 submerged arc automatic welding thermal thick wall tee patent certificate, X100 grade of steel plate hot bend the patent certificate, intermediate frequency induction heating soups X100 grade steel large diameter bend patent certificate.





优质产品  
QUALITY PRODUCTS

◆ 弯管



弯管是采用成套弯曲模具进行弯曲的，分为冷煨与热推两种工艺。主要用以油气输送等。

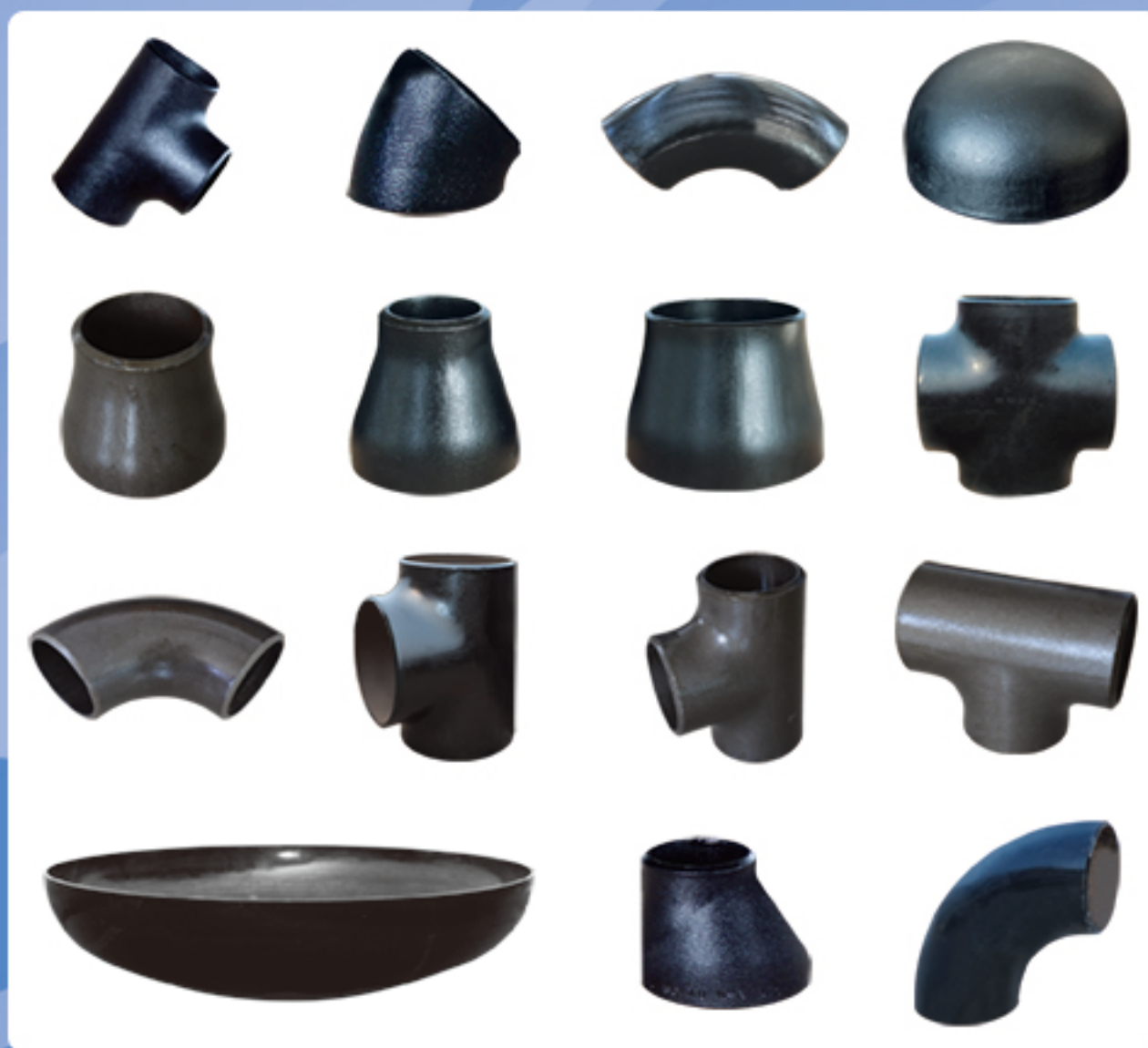
The bend is bent by a complete set of bending die, which is divided into two processes: cold bending and hot pushing. No matter what kind of equipment and pipelines, most of them use elbows, mainly used for oil, gas, infusion, etc.



碳钢管件 ◆

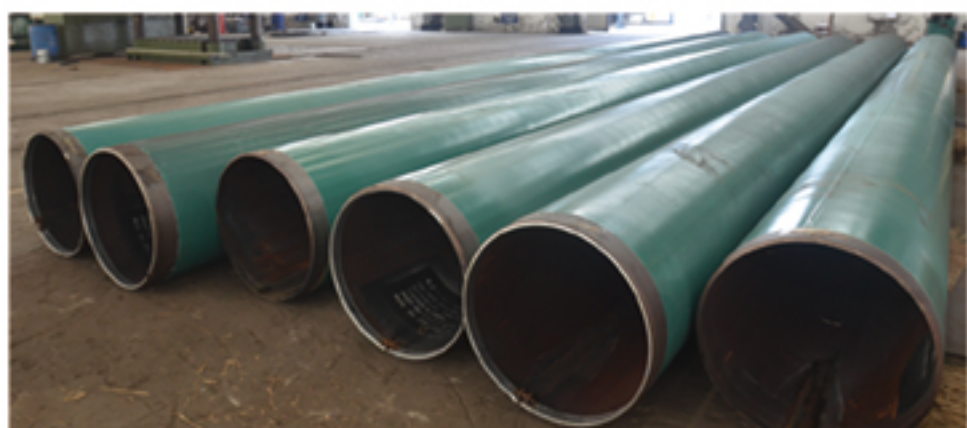
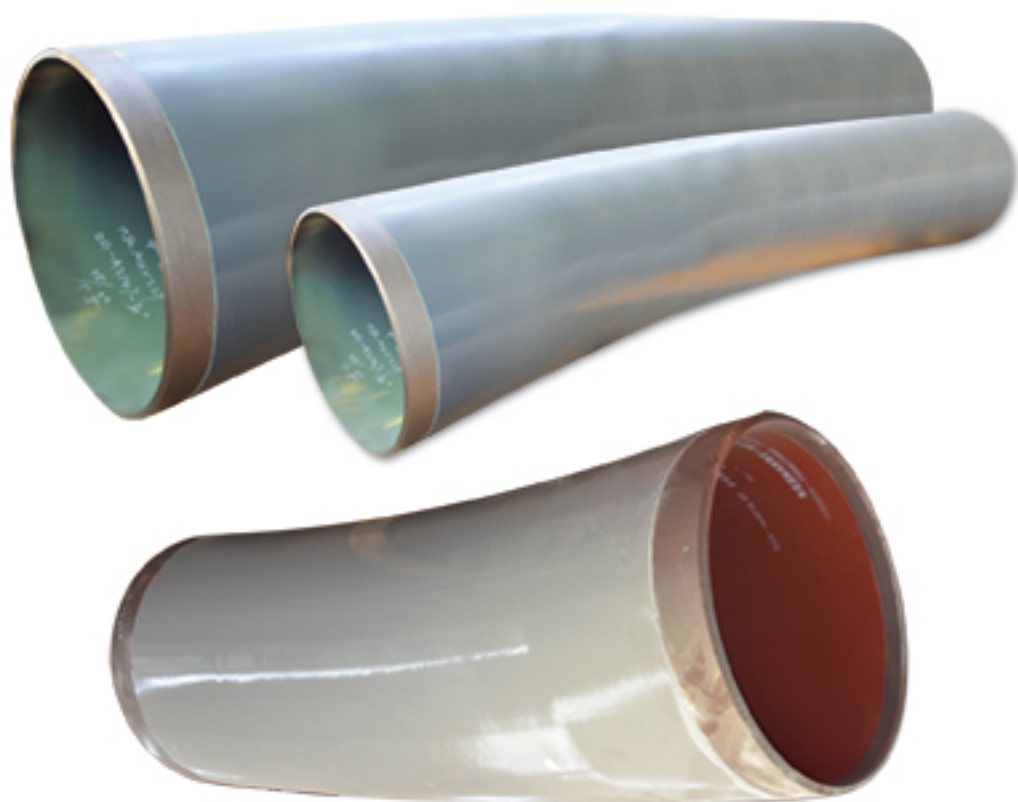
碳钢管件是目前使用最广泛的一种管件产品。主要的产品包括碳钢弯头，碳钢三通，碳钢四通，碳钢异径管（大小头），碳钢封头（管帽）等。

Carbon Steel Pipe Fittings is currently the most widely used pipe products. The main products include carbon steel elbow, carbon steel tee, four-way steel, carbon steel diameter pipe (size head), carbon steel head (cap) and the like.





◆ 防腐管道



其他管件 ◆









## AFTER-SALE SERVICE 产品售后服务



依靠遍布全国各地域的分支机构，以及具有综合工程经验的技术队伍，公司不仅在项目建设期为客户提供服务，还在生产或运行期间为客户提供技术保障，进行日常运行维护，解决出现的问题。

At over the country rely on local branches, as well as a comprehensive engineering experience in the technical team, the company not only in the project construction period is customer service, still in production or during operation to provide customers with technical support, routine operation and maintenance, to solve problems

公司提供现场安装程序文件和安装，维修时的特殊工具以及技术支持。并提供长期的售后服务和技术支持，包括现场安装、检查。

The company provides on-site installation files and installation special tools, and technical support when repairs. And provide long-term after sales service and technical support, including on-site

公司承诺在质量保证期限内，由于设备本身出现问题导致不能正常使用的，我公司无偿到现场按照用户要求的时间处理问题，1小时作出技术回应，12小时技术人员到达现场。

The company's commitment to the quality guarantee period, due to the device itself can not cause a problem with the normal use of our free time to the scene to deal with the problem in accordance with user requirements, one hour response to technical, 12-hour technical personnel to the scene.

客户的微笑就是我们的自豪。  
the customer's smile is our pride.

## 工程咨询及服务

### ENGINEERING CONSULTING AND SERVICE

公司凭借十几年的业绩经验与知识丰富的专业技术团队，以严谨求实的作风和敬业负责的态度为各种建设项目提供咨询服务，包括项目前期管线规划、产品生产方案设计、工程项目建议书、可行性研究、评估咨询、工程设计方案咨询、设备选型采购咨询等，以及为委托方在科研开发、技术引进、设备更新等方面提供可行性研究、方案优化或提供解决复杂技术问题的系统方案。

Companies with more than ten years of performance experience and extensive knowledge of professional technical team, rigorous and realistic style of work and dedicated and responsible attitude for the various construction projects to provide advisory services, including project pipeline planning, product design, project proposals and feasible research, evaluation consulting, engineering design consulting, equipment selection and procurement consulting, and for the entrusting party in scientific research and development, the introduction of technology and equipment renewal provides feasibility study, optimization or provide a systematic scheme to resolve complex technical issues.

